

Title (en)  
Dual mass flywheel

Title (de)  
Zwei-Massen-Schwungrad

Title (fr)  
Double volant amortisseur

Publication  
**EP 1793142 A1 20070606 (FR)**

Application  
**EP 06124906 A 20061128**

Priority  
FR 0553639 A 20051130

Abstract (en)  
The double flywheel consists of two coaxial inertial flywheels (10, 12), centred and guided towards one another by a bearing (14) and equipped with a damper (16) in the form of two coil springs (18, 20) with ends (26) ground flat to press against stops (28). The two springs have the same diameter but different degrees of stiffness and inverse pitches, with their facing surfaces also ground flat and perpendicular to their axes. The facing ground ends of the springs cover at least 180 degrees of their surfaces, and they can press directly against one another or via an intermediate plate (34).

Abstract (fr)  
Double volant amortisseur pour véhicule automobile, comprenant deux volants d'inertie coaxiaux (10, 12) et un amortisseur de torsion (16) dans lequel des paires de ressorts agencées entre des butées (26, 28) solidaires des volants sont formées par deux ressorts (18, 20) de même diamètre ayant des raideurs différentes et des pas inversés, qui sont disposés bout à bout entre les butées précitées. L'invention augmente notablement la durée de service d'un double volant amortisseur.

IPC 8 full level  
**F16F 15/134** (2006.01)

CPC (source: EP KR)  
**F16F 15/131** (2013.01 - KR); **F16F 15/134** (2013.01 - EP); **F16F 15/1343** (2013.01 - EP); **F16F 15/30** (2013.01 - KR)

Citation (search report)  
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